

Electrical and Computer Engineering

Electrical Engineering Option (2009-10)

Below is the *advised sequencing* of courses for this degree,
the official degree requirements are found in the University General Catalog.

FRESHMAN YEAR				SOPHOMORE YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ENGR 102	3	MSE 110	4	ECE 274	3	ECE 220	5
MATH 125 or 124 [#]	3/5	MATH 129	3	MATH 223	4	MATH 254	3
CHEM 151	4	PHYS 141	4	PHYS 241	4	PHYS 143	2
ENGL 101	3	ENGL 102	3	Tier 1	3	MATH 243	3
Tier 1 INDV*	3	ECE 175	3	TRAD*	3	Tier 1 INDV*	3
				Tier 2 INDV*	3		
TOTAL	16/18	TOTAL	17	TOTAL	17	TOTAL	16

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ECE 301	2	ECE 304	6	ECE 352	3	ENGR 498b	3
ECE 320a	3	ECE 340	3	ENGR 498a	3	Tech Elect**	9
ECE 351a	3	ECE 372	3	Tech Elect**	9	Tier 2 Art/Hum*	3
SIE 305	3	ECE 381	3	Tier 1 TRAD*	3		
MATH 322	3						
TOTAL	14	TOTAL	15	TOTAL	18	TOTAL	15

TOTAL UNITS = 128

MATH 124 is a 5 unit version of MATH 125. Students taking MATH 124 should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

* INDV/TRAD/Art/Hum courses must meet University general education requirements. One course must be recognized by the University as focusing on non-western culture, race, gender or ethnicity. TRAD 101 satisfies this requirement.

** 21 units of technical electives are required. These consist of ECE 369 and other upper-division courses in engineering, math, or science, chosen in consultation with a faculty advisor. 15 units must be in ECE courses.